## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

, and

1. (currently amended) A process for thermally treating an article made from an alloy comprising at least aluminum, and copper and lithium but substantially free of scandium, the process comprising:

solid solution heat treating the article for a time period and a temperature sufficient to allow substantially all soluble alloy components to enter into the solution and embed the aluminum alloy components in a generally uniform manner throughout the article;

quenching the article;

heating the article to a first temperature of from about 275 to about 340°F; artificially aging the article at the first temperature for a duration of at least 30 minutes;

artificially aging the article at a second temperature of from about 325 to about 380°F for a duration of from about 4 hours to about 36 hours, the second temperature being greater than the first temperature by at least 10°F.

2. (currently amended) The process of claim 1 further including A process for thermally treating an article made from an alloy comprising at least aluminum copper and lithium but substantially free of scandium, the process comprising:

solid solution heat treating the article for a time period and a temperature sufficient to allow substantially all soluble alloy components to enter into the solution and embed the aluminum alloy components in a generally uniform manner throughout the article;

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quenching the article;

heating the article to a first temperature of from about 275 to about 340°F;

performing cold work to the article prior to the artificially aging at the first temperature.

artificially aging the article at the first temperature for a duration of at least 30 minutes;

and

artificially aging the article at a second temperature of from about 325 to about 380°F for

a duration of from about 4 hours to about 36 hours, the second temperature being greater than the

first temperature by at least 10°F.

3. (original) The product formed by the process of claim 1.

4. (canceled)

5. (previously amended) The process of claim 4, wherein the alloy further includes

an additive selected from the group consisting of zinc, magnesium, silver, manganese, silicon,

zirconium, chromium, vanadium, indium, iron, hafnium, ytrrium, lanthanides and combinations

thereof.

6. (previously presented) The process of claim 1, wherein the alloy further includes

an additive selected from the group consisting of zinc, magnesium, silver, manganese, silicon,

lithium and combinations thereof.

7. (previously presented) The process of claim 1, wherein the alloy further includes

an additive selected from the group consisting of zirconium, chromium, vanadium, indium, iron,

hafnium, yttrium, lanthanides and combinations thereof.

(original) The process of claim 1, wherein the alloy comprises from about 0.1 to

about 10 wt.% copper.

8.

- 9. (original) The process of claim 1, wherein the alloy comprises from about 1 to about 6.5 wt.% copper and from about 0.5 to about 3 wt.% lithium, with the balance aluminum and incidental elements and impurities.
- 10. (previously presented) The process of claim 1, wherein the alloy further comprises an additive selected from the group consisting of lithium, magnesium, silver and zirconium.
- 11. (original) The process of claim 1, wherein the article is solid solution heat treated at a temperature from about 880 to about 1,030°F.
- 12. (original) The process of claim 1, wherein the article is artificially aged at the first temperature for a duration of from about 6 hours to about 50 hours.
- 13. (original) The process of claim 1, wherein the second temperature is greater than the first temperature by from about 15 to about 50°F.
- 14. (original) The process of claim 1, wherein the article is artificially aged at the first temperature of from about 310 to about 330°F for a duration of from about 12 to about 36 hours and the article is artificially aged at the second temperature of from about 340 to about 355°F for a duration of from about 4 to about 24 hours.
- 15. (currently amended) A process for improving strength to an article made from an alloy that has been hot deformed and fast cooled and solid solution heat treated to embed the aluminum alloy components in a generally uniform manner throughout the aluminum article, the alloy comprising at least aluminum, and copper and lithium but substantially free of scandium, the process comprising:

heating the article to a first temperature of from about 275 to about 340°F;

artificially aging the article at the first temperature for a duration of at least 30 minutes;

and

artificially aging the article at a second temperature of from about 325 to about 380°F for

a duration of from about 4 to about 36 hours, the second temperature being greater than the first

temperature by at least 10°F.

16. (original) The product formed by the process of claim 15.

17. (canceled)

18. (original) The process of claim 15, wherein the alloy comprises from about 0.1 to

about 10 wt.% copper.

19. (original) The process of claim 15, wherein the alloy comprises from about 1 to

about 6.5 wt.% copper and from about 0.5 to about 3 wt.% lithium, with the balance aluminum

and incidental elements and impurities.

20. (original) The process of claim 15, wherein the second temperature is greater

than the first temperature by from about 15 to about 50°F.

21. (original) The process of claim 15, wherein the article is artificially aged at the

first temperature of from about 310 to about 330°F for a duration of from about 12 to about 36

hours and the article is artificially aged at the second temperature of from about 340 to about

355°F for a duration of from about 4 to about 24 hours.

22. (currently amended) A process for thermally treating an article made from an

alloy comprising at least aluminum, copper, lithium and silver, the process comprising:

solid solution heat treating the article for a time period and a temperature sufficient to

allow substantially all soluble alloy components to enter into the solution and embed the

aluminum alloy components in a generally uniform manner throughout the article;

quenching the article;

heating the article to a first temperature of from about 275 to about 340°F;

artificially aging the article at the first temperature for a duration of at least 30 minutes;

and

artificially aging the article at a second temperature of from about 325 to about 380°F for

a duration of from about 4 hours to about 36 hours, the second temperature being greater than the

first temperature by at least 10°F.

23. (currently amended) A process for improving strength to an article made from an

alloy that has been hot deformed and fast cooled, the alloy comprising at least aluminum, copper,

<u>lithium</u> and silver, the process comprising:

heating the article to a first temperature of from about 275 to about 340°F;

artificially aging the article at the first temperature for a duration of at least 30 minutes;

and

artificially aging the article at a second temperature of from about 325 to about 380°F for

a duration of from about 4 to about 36 hours, the second temperature being greater than the first

temperature by at least 10°F.

24. (previously presented) A process for thermally treating an article made from an

AA2195 alloy, the process comprising:

solid solution heat treating the article;

quenching the article;

heating the article to a first temperature of from about 275 to about 340°F;

artificially aging the article at the first temperature for a duration of at least 30 minutes;

and

artificially aging the article at a second temperature of from about 325 to about 380°F for a duration of from about 4 hours to about 36 hours, the second temperature being greater than the first temperature by at least 10°F.

25. (previously presented) A process for improving strength to an article made from an AA2195 alloy that has been hot deformed and fast cooled, the process comprising:

heating the article to a first temperature of from about 275 to about 340°F;

artificially aging the article at the first temperature for a duration of at least 30 minutes;

and

artificially aging the article at a second temperature of from about 325 to about 380°F for a duration of from about 4 to about 36 hours, the second temperature being greater than the first temperature by at least 10°F.

26. (currently amended) A process for thermally treating an article made from an alloy comprising at least aluminum and copper, the process comprising:

solid solution heat treating the article for a time period and a temperature sufficient to allow substantially all soluble alloy components to enter into the solution and embed the aluminum alloy components in a generally uniform manner throughout the article;

quenching the article;

heating the article to a first temperature of from about 310 to about 330°F for a duration of from about 12 to about 36 hours;

once the first temperature is reached, holding artificially aging the article at the first temperature for a duration of at least 30 minutes to artificially age the article; and

artificially aging the article at a second temperature of from about 340 to about 355°F for

a duration of from about 4 hours to about 24 hours, the second temperature being greater than the

first temperature by at least 10°F.

27. (currently amended) A process for improving strength to an article made from an

alloy that has been hot deformed and fast cooled, the alloy comprising at least aluminum and

copper, the process comprising:

heating the article to a first temperature of from about 310 to about 330°F for a duration

of from about 12 to about 36 hours;

once the first temperature is reached, holding artificially aging the article at the first

temperature for a duration of at least 30 minutes to artificially age the article; and

artificially aging the article at a second temperature of from about 340 to about 355°F for

a duration of from about 4 to about 24 hours, the second temperature being greater than the first

temperature by at least 10°F.